APPLICATIONS

Conference reinforcement, video trucks
TV news and sports panels
Reality shows, game shows
Wireless mics for theater
Boardrooms, civic meeting rooms
Teleconferencing and distance learning
Houses of worship

CONFIGURATIONS

8-Channel
- Dugan Speech System
- Dugan Music System
- Dugan Gain Limiting
- Pre/Post mix matrix for four aux outputs

12-Channel
- Dugan Speech System

16-Channel (ADAT)
- Dugan Speech System

BENEFITS

Eliminates late upcuts
Reduces PA feedback and studio noise
Reduces comb filtering from adjacent mics

CAPABILITIES

Link up to eight Dugan controllers into one system
Partition channels into one to three groups that can span linked units
Control physically from front panel and Model CP-2 Control Panel (sold separately)
Control remotely from Dugan Control Panel for Java (included) and Dugan Control Panel for iPad (sold separately)
## Specifications

### Audio

| **Analog I/O** | 12 inputs, 12 outputs, balanced |
| **Digital I/O** | 8 inputs, 8 outputs, ADAT optical 16-Channel mode: eight additional I/O channels using LINK connectors |
| **Gain** | Unity |
| **Sample Rate** | Analog: 48 kHz  
Digital: 48 or 44.1 kHz (synchronizes to input) |
| **Bit Depth** | 24 bit |
| **Audio Latency** | 1.8 ms |
| **Frequency Response** | 20 Hz to 12 kHz +/- 0.05 dB, 20 Hz to 20 kHz +/- 0.2 dB |
| **Output Noise** | -87.5 dBu |
| **Maximum Output** | +22 dBu |
| **Distortion** | 0.003% (THD + N) |
| **Linking** | Up to 8 units can be linked into one system in an optical ring network |

### Connectors

| Audio | Analog: DB25 wired to TASCAM digital audio pinout |
| Control | Control Panel (CP-2): Four-pin mini-XLR female  
4 x RJ45: Four-port internal switch for network  
Linking: ADAT optical, reassigned for audio I/O in 16-channel mode |

### Power

| **Connector** | Coaxial with locking collar, 5.5 mm o.d., 2 mm i.d. |
| **Electrical** | Nominal 12 VDC, 1.5 A maximum; accepts 12-24 VDC, either polarity, or 9-18 VAC |
| **External Supply** | Input: 100-240 VAC, 50-60 Hz, 0.8A  
Output: 15 VDC, 2 A  
Approved UL, CE, LPS |

### Physical

| **Dimensions** | Height = 1.75 in (4.5 cm)  
Depth = 8.3 in (21 cm)  
Width = 8.75 in (22.2 cm) |
| **Rack Mounting** | Parts included to mount single unit or two units side-by-side |
| **Weight** | 3.5 lb (1.6 kg)  
7 lb (2.5 kg) in shipping box with power supply |